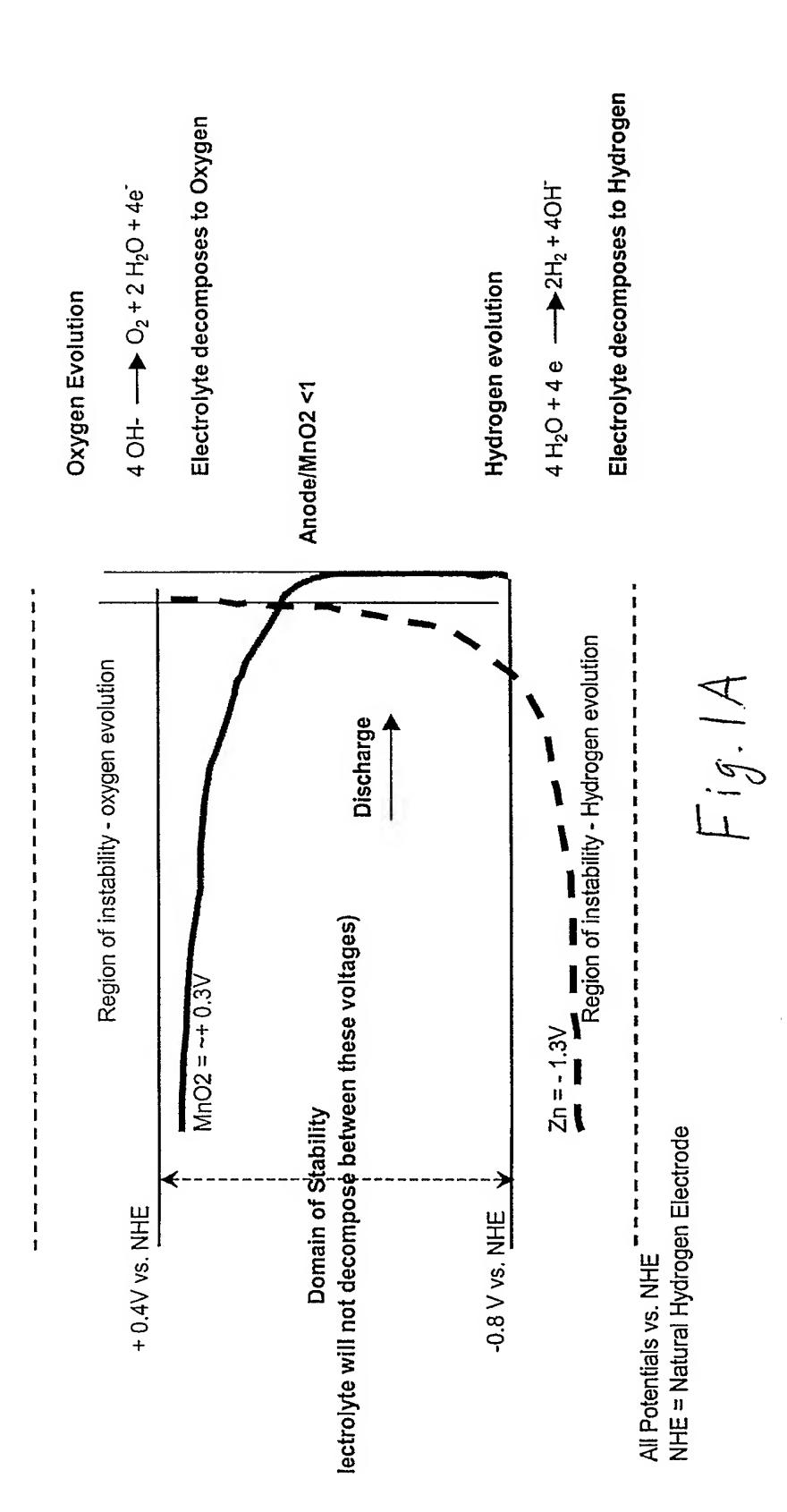
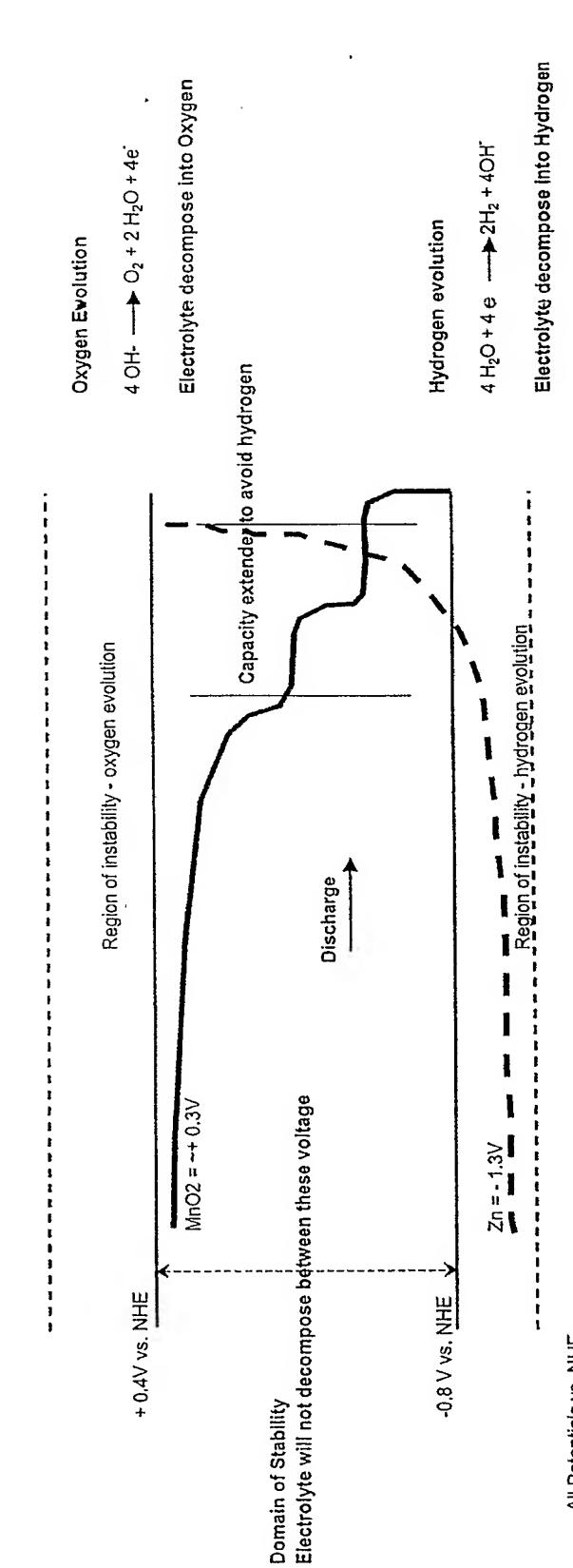
Schematic progression of Discharge voltages of anode and cathode in Current Art Anode / Primary Cathode < 1



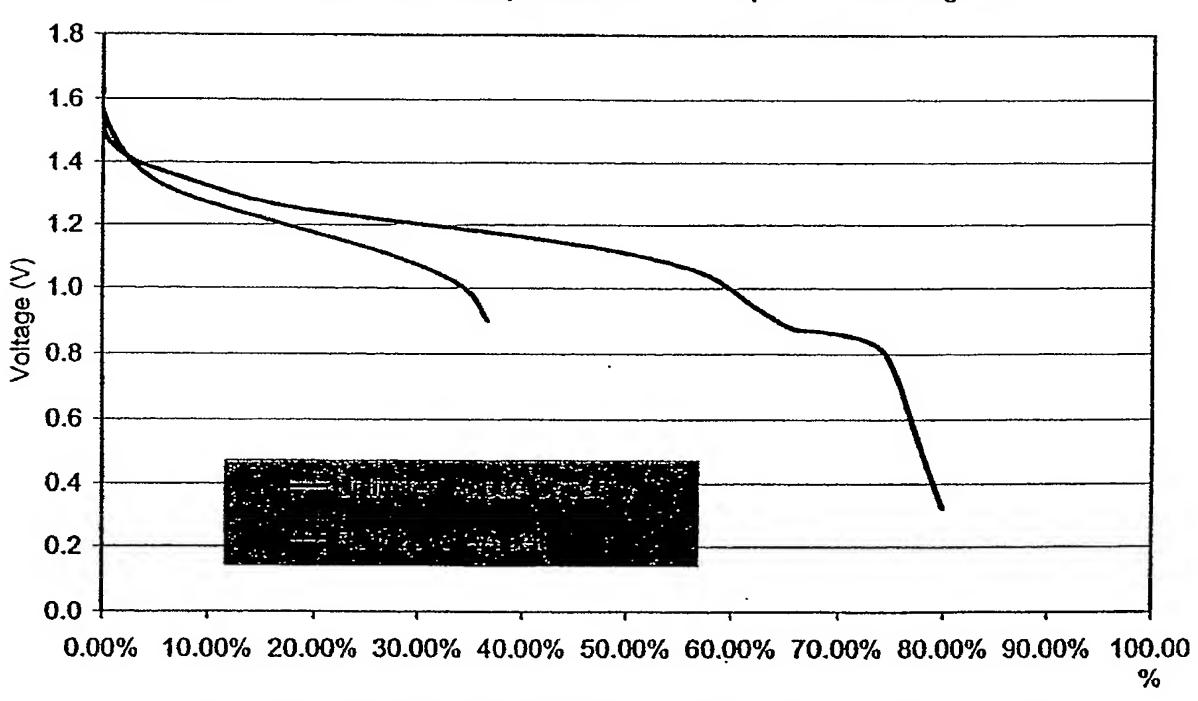
Schematic progression of Discharge voltages of anode and cathode in Invention Anode / Primary Cathode > 1



All Potentials vs. NHE NHE = Natural Hydrogen Electrode

T. 9. - B

Alkaline Performance Comparison at 300 mA equivalent discharge rate



% Discharge capacity Utilization (Ahr-Actual /Ahr-1.2e Theoretical capacity)

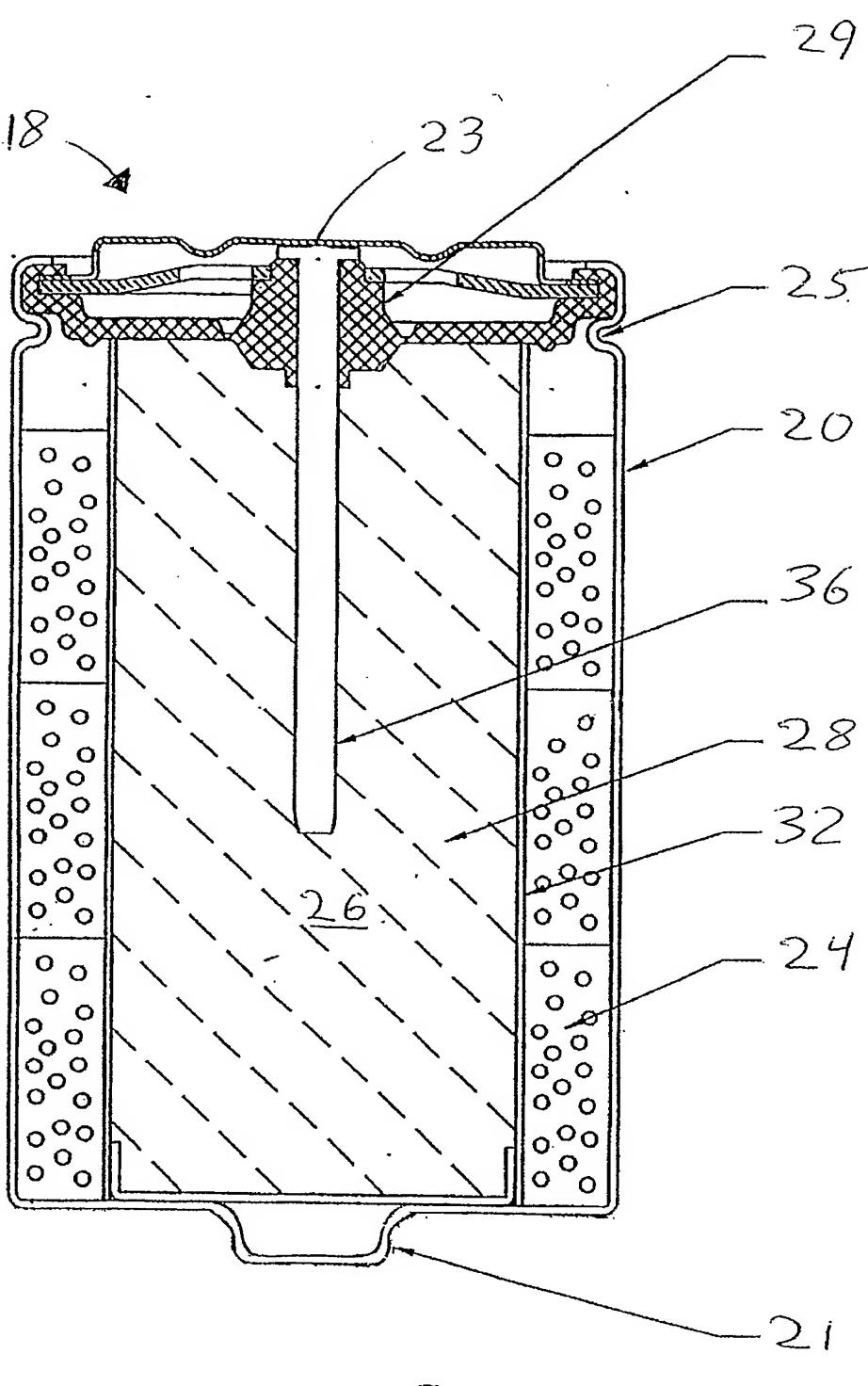
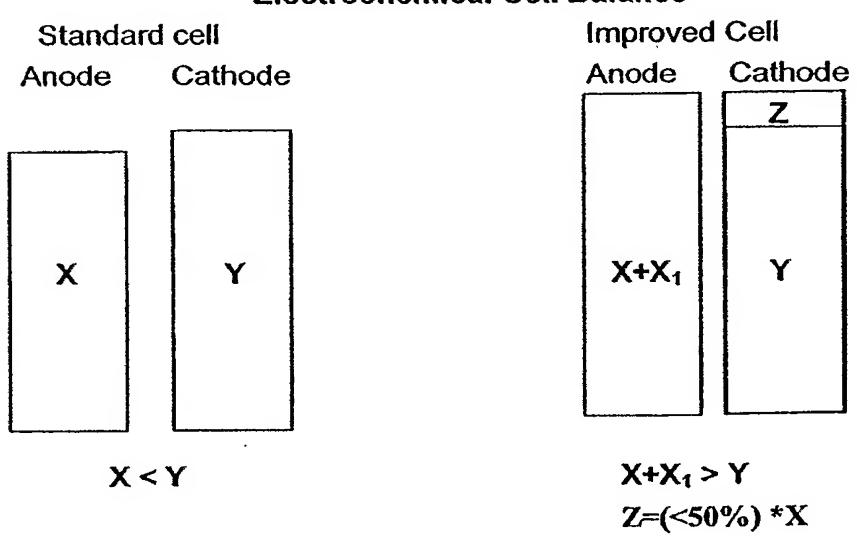


FIG 3

Electrochemical Cell Balance



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Some Electrode configurations for flat cathodes

Layered	Side by Side	Concentric
Electrode	A B	A B A
B A		

Some Cylindrical Electrode Configurations

Separate Stacked Tablets

Concentric Hollow Cylinders or Tablets

32,0r24+32

24

Fig. 6

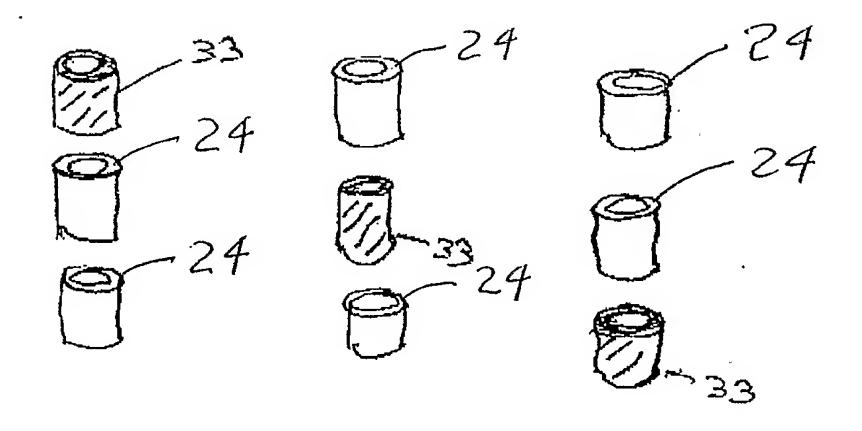


FIG 7B

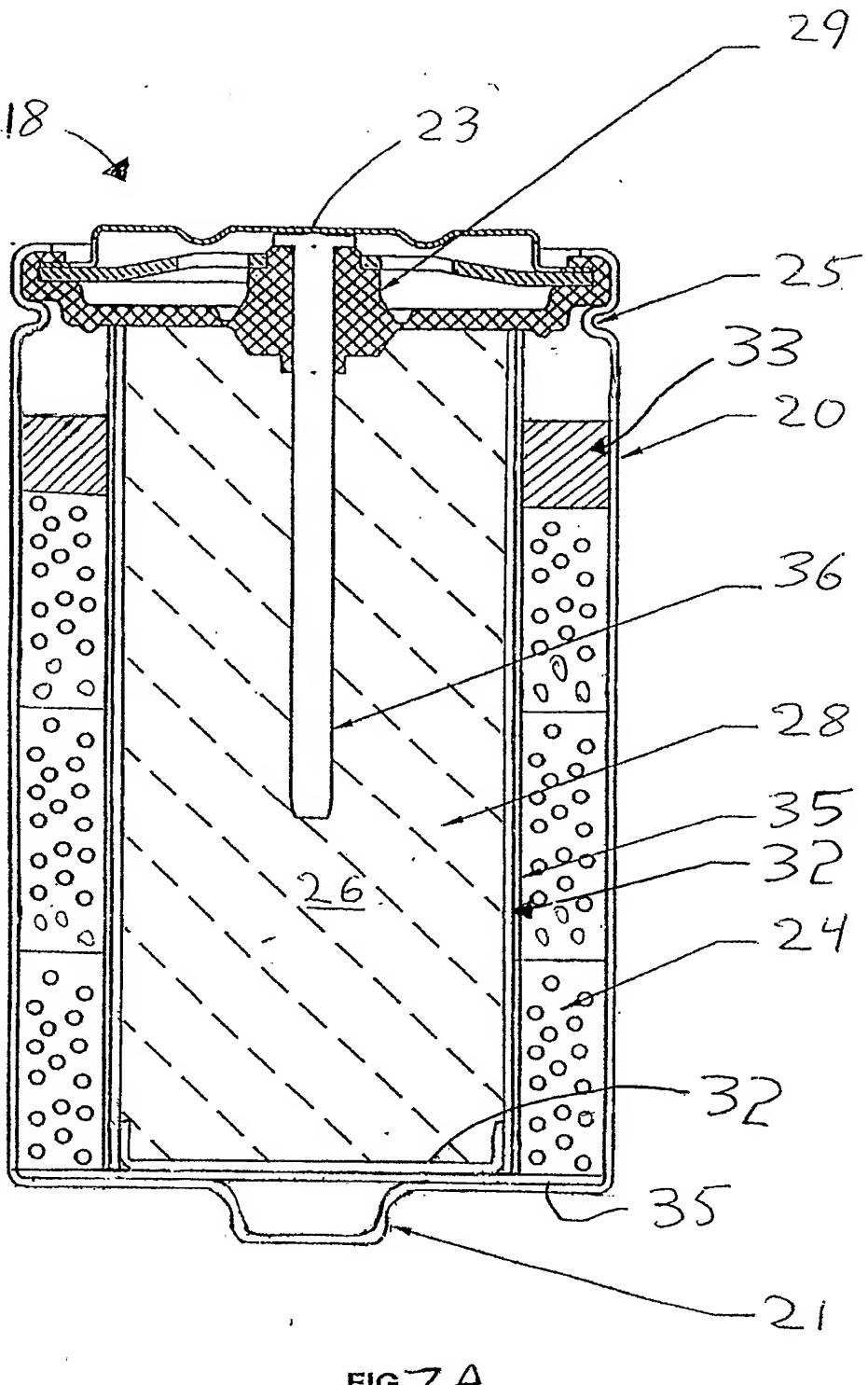
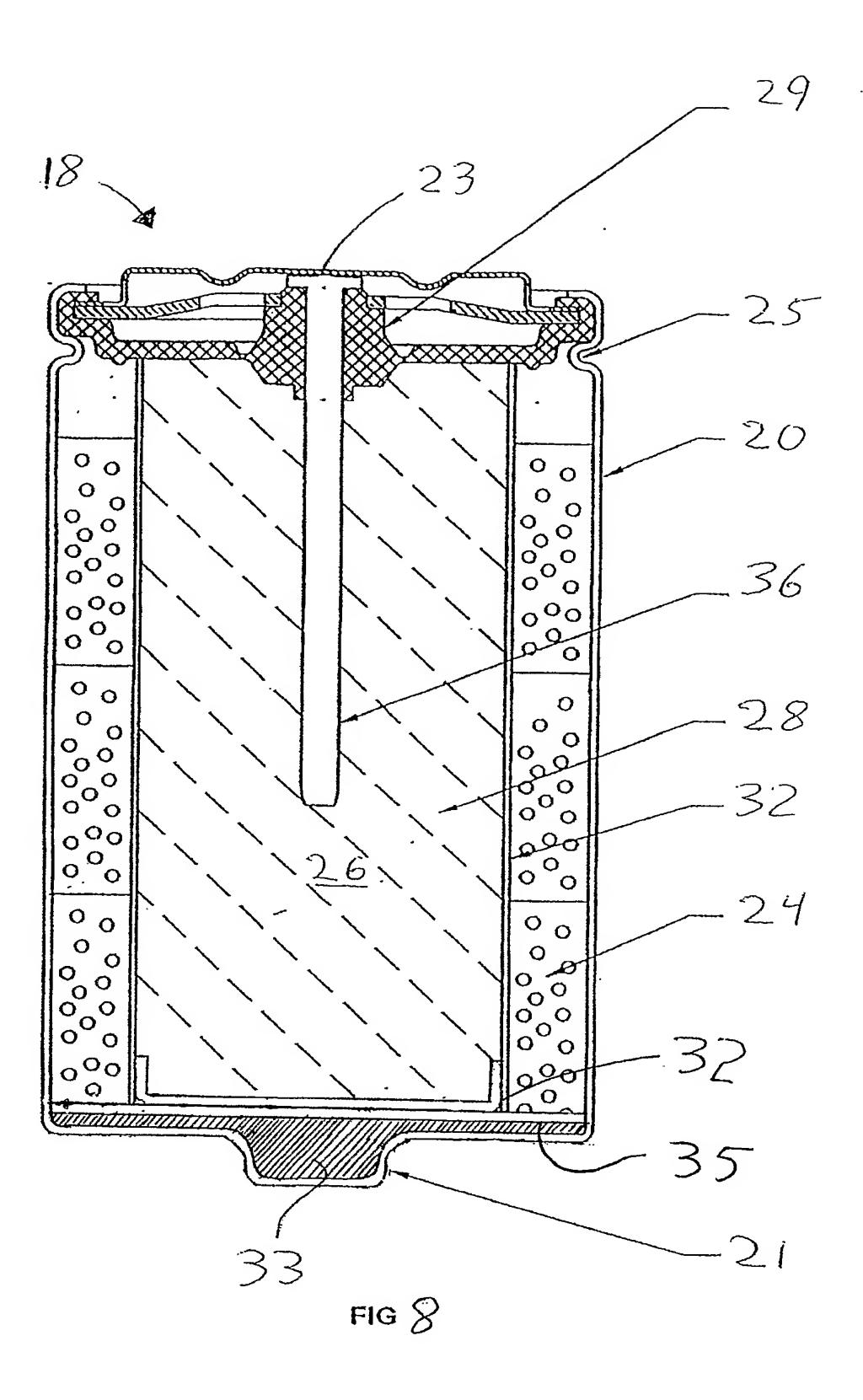
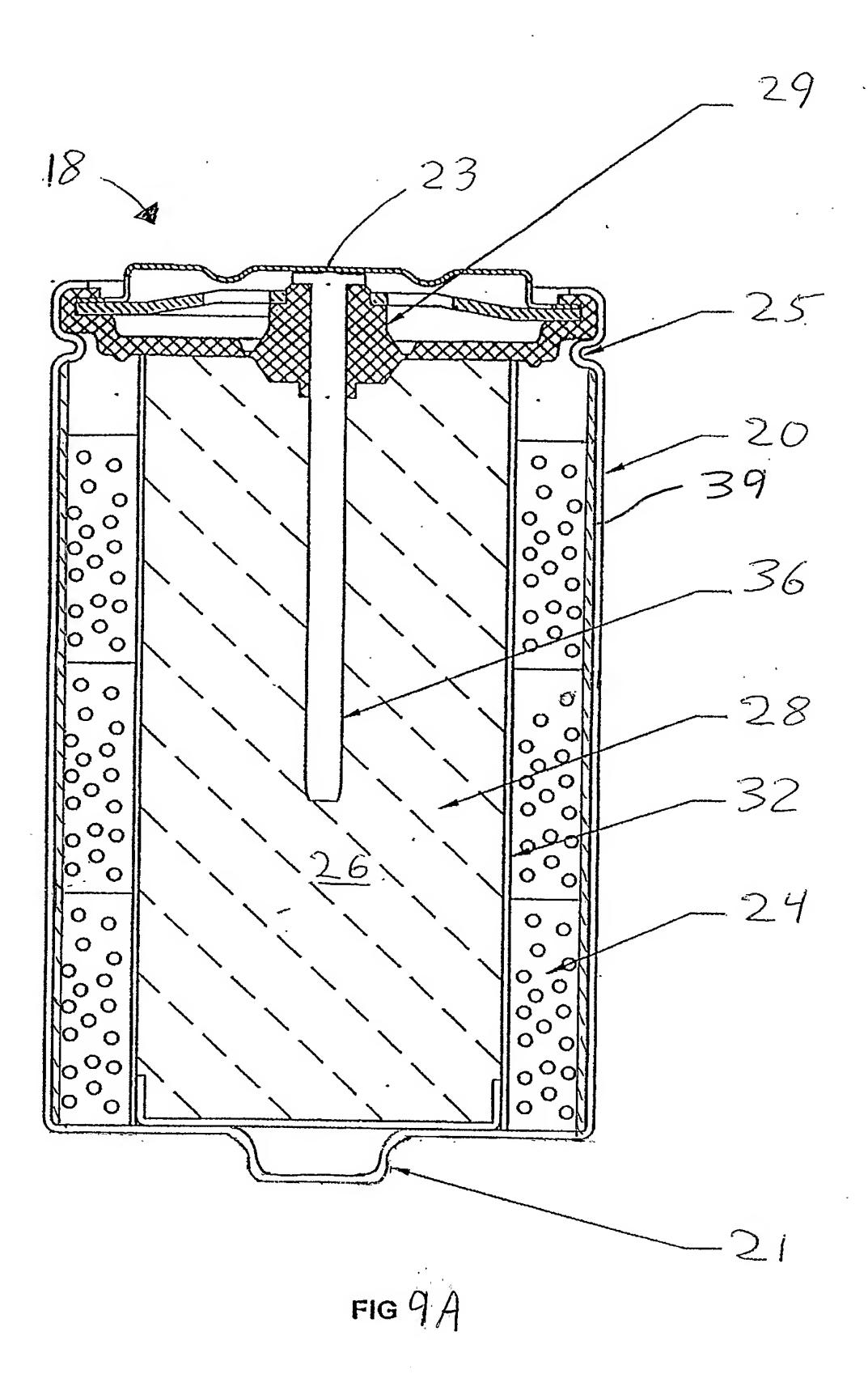


FIG 7 A







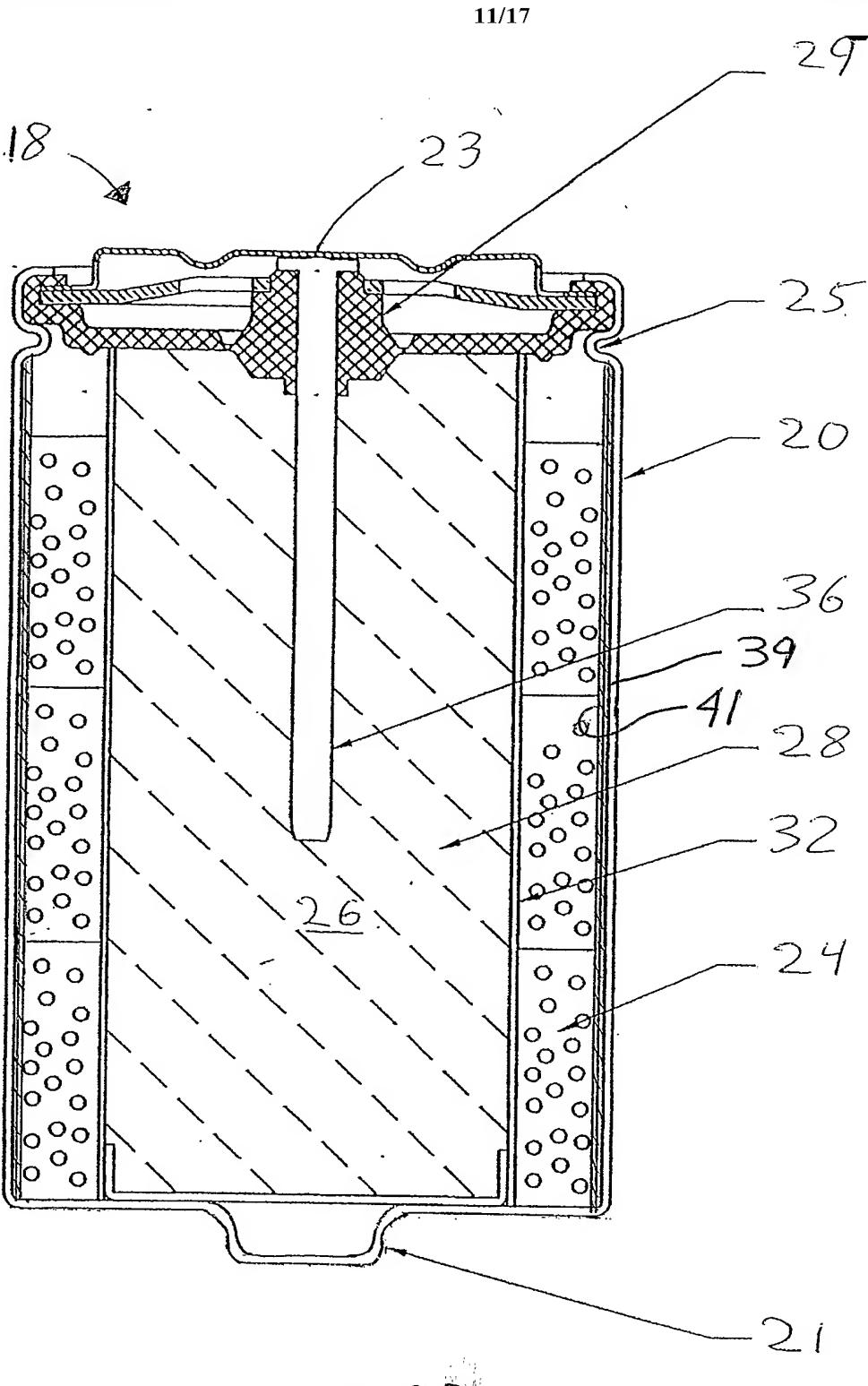


FIG 9B

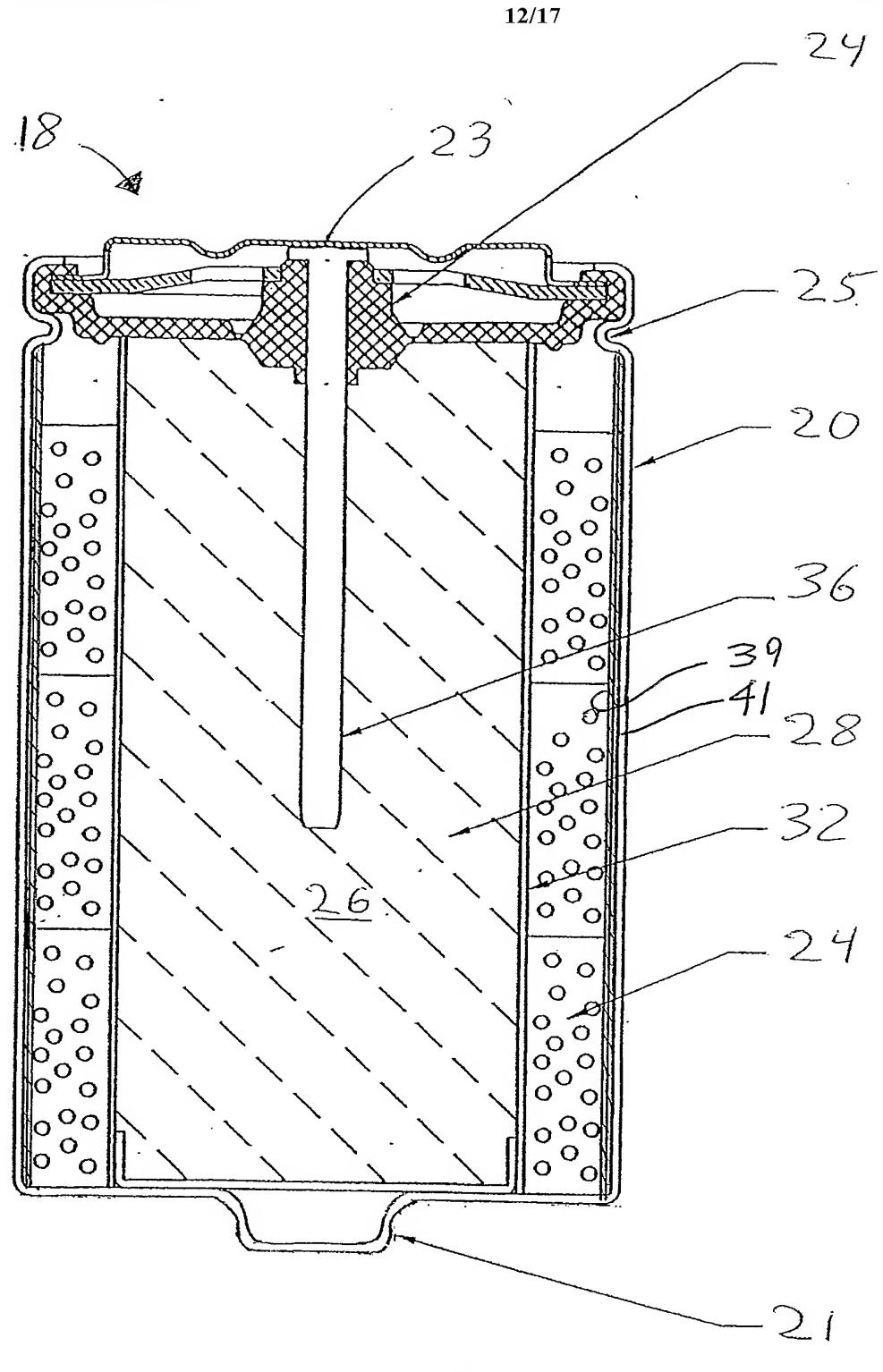
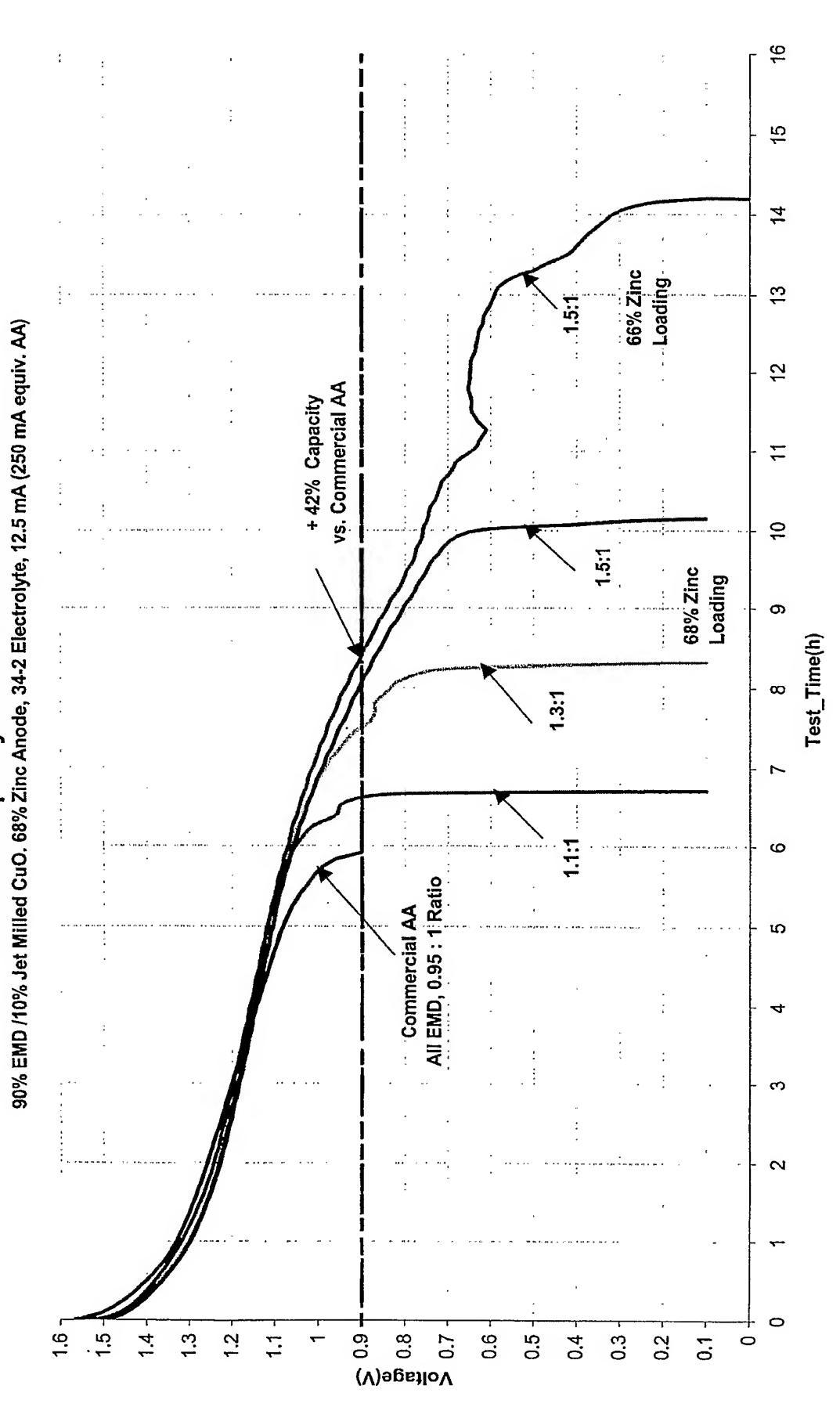


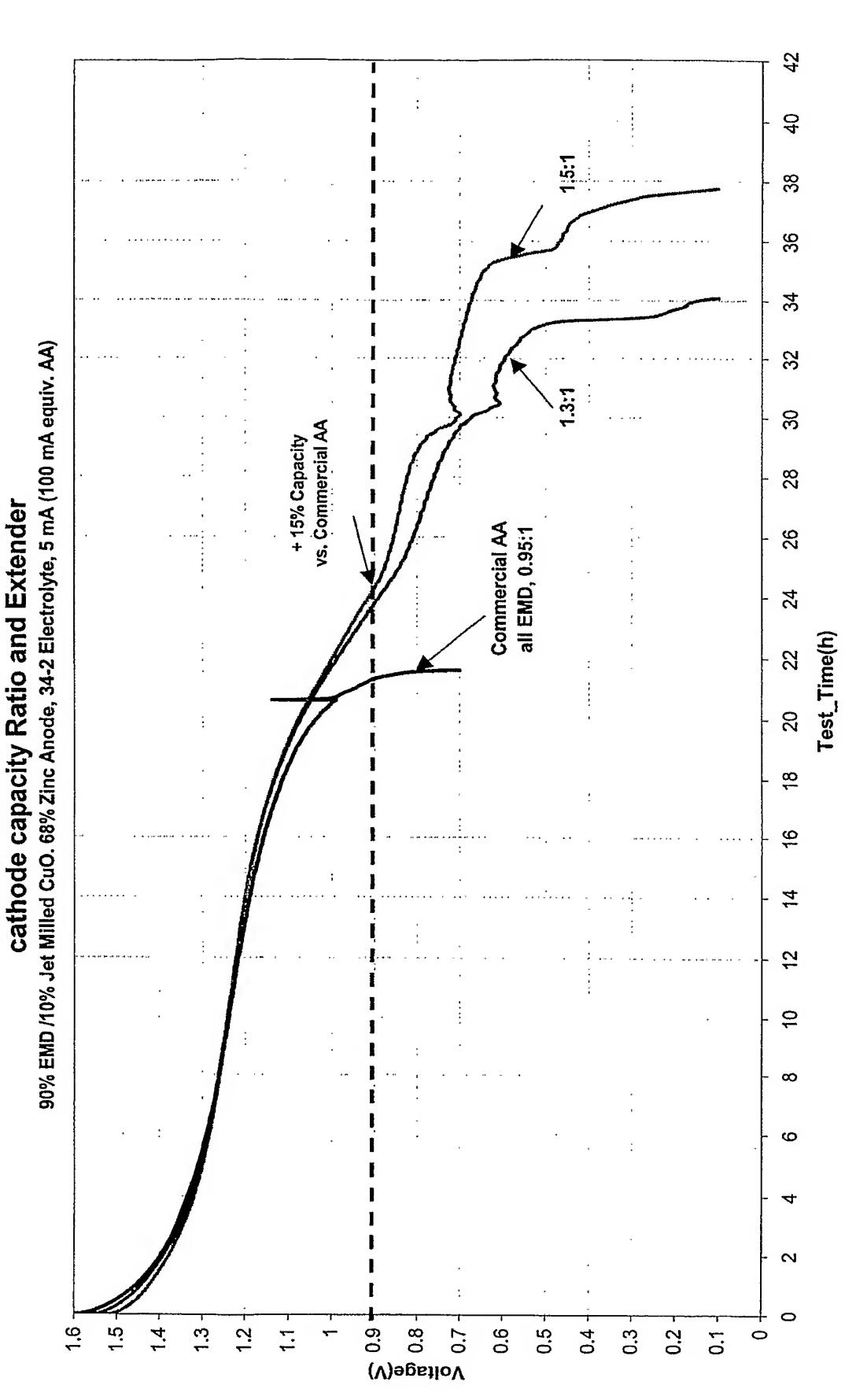
FIG 9 C

Discharge Comparison of Electrochemical Cells having increasing anode / Primary

cathode capacity Ratio and Extender



Discharge Comparison of Electrochemical Cells having increasing anode / Primary



Conventional Alkaline Zn/MnO2 Cell Anode/MnO2 ratio ~ 0.97

